

Catochrysops panormus platissa (Herrich-Schaffer). This species was reared in Townsville during February 1984 on buds and flowers of *Dendrolobium umbellatum* (Fabaceae) in company with larvae of *Anthene lycaenoides*.

Freyeria trochylus putli (Kollar). During April and May 1985 larvae were very common in Townsville feeding on *Indigofera colutea* (Fabaceae).

Discussion

One feature of particular note is the very wide range of food plants used by butterflies with larvae attended by green tree ants. As a general observation it seems that very many butterfly species with larval stages closely attended by ants are polyphagous. It may also be of interest to note that the record of mistletoe for *H. phorbas* and *A. centaurus* occurred on a *Lagerstroemia* cultivar. The larvae did not feed upon the foliage of this plant but remained on the mistletoe attended by numerous green tree ants.

Acknowledgements

Thanks are expressed to Dr Betsy Jackes from the Botany Department, James Cook University for assistance with plant identification and to Dr R. Taylor (CSIRO, Canberra) for the identity of the *Paratrechina* ants.

References

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BOOK REVIEW

A revision of the genus *Hypochrysops* C. & R. Felder (Lepidoptera: Lycaenidae). By D. P. A. Sands. *Entomograph* Vol. 7. 116 pages, illustr. 1986. E. J. Brill/Scandinavian Science Press. Netherlands. US\$38.25.

This revision of the systematics of the genus *Hypochrysops* C. & R. Felder is an impressive contribution to our knowledge of a regionally significant group of butterflies. The author includes 57 species in the genus arranged in 20 groups within which are recognized 110 distinct taxa. Descriptions are given of four new species and three new subspecies and twenty-eight names of species level are placed in new synonymy. The genus *Waigeum* Staudinger is synonymised with *Hypochrysops*. Separate keys are given for males and females of each species and testing the keys for Australian species I found them easy to follow and unambiguous. The only difficulty I experienced was with males of *H. cleon* from Iron Range where I initially ended up in *H. cleonides*! The female *cleon* I have from Iron Range keyed out easily. The male genitalia of all available species (fifty four of the fifty seven) are described and figured with a standard presentation of lateral view, sociuncus, valvae and aedeagus. In a number of instances subspecific variations in male genitalia are also illustrated.

Discussion of each species or subspecies includes a list of synonyms, details of types and notes on distribution and description. For each species a section of comments briefly alludes to distinguishing features as well as details of life history where known. A comprehensive set of references is included.

Of particular interest to Australian students is the recognition of a new subspecies of *theon* from the Rocky River area (*cretatus*). The Claudie River population of *narcissus* is separated from that further south and the Iron Range and Papua New Guinea population of *hippuris* is described as a new subspecies (*nebulosis*). Although *halyaetus* is retained as a single taxon the population sometimes referred to as *uranites* is noted and the prospect for further revision clearly awaits more extensive collection and study. Australian specimens of *miskini* are now seen as distinct from the Papua New Guinea population which is newly described as subspecies *parvulus*. Speculation on the possible presence of *H. arronica* on Cape York, based on a specimen labelled Cedar Bay in the British Museum, I found most interesting.

Two coloured plates with 64 individual photographs illustrate upper and undersides of 23 species including the first illustrations of several previously described species and all four of the new species. A further eight specimens are illustrated (upper and underside) by black and white photographs. The selection of coloured photographs appears to be carefully designed to complement and clarify those already available in Common and Waterhouse (1981) and D'Abbrera (1977). This volume will certainly help sort out the confusion present in the latter work.

Overall the quality of this book is excellent both in content and presentation and both Dr Sands and the publisher deserve congratulations. There are a few minor shortcomings including Figures 115 and 116 described as *H. pretiosus pretiosus* instead of *H. protogenes pretiosus* and Figure 2 indicating vein M_1 as vein M_2 . It is a pity the captions for the coloured plates did not also include the page reference for each taxon especially as there is ample space. But these minor criticisms in no way detract from the commanding scholarship of this work which will inevitably become the new standard for discussion of these jewels of the butterfly world.

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ACKNOWLEDGEMENT OF REFEREES

The Editor wishes to thank the following for refereeing papers submitted to this journal since Vol. 8.

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